

Work Order ID 146236

Friday, May 13, 2016 1:12:41 PM

146236

ship May 17

Page 1

Item ID: D407-559-115 Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: 206L Series/407 Bearpaws - Run-on Landing Wearplate Compatible

Start Date: 5/16/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 5/17/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: LM Date: 16/05/13 Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI 9624	REV A	<u>LM</u>							
100	Document Control	0.00	DAS						
100	DOCUMENT CONTROL		6						
DC	Memo	0.00	9-89						
Doc.Control -USB or Paperwork	Photocopy blue file and type labels per PPP D407-559-115								
151	Pick Kit	0.00							
151									
Packaging	Memo	0.00							
Packaging									
160	QC4- 100% Inspect kits for completeness	0.00							
160									
QC	Memo	0.00							
Quality Control									

see attachment

MLJ 16-0513

DAS 28 9-89 MAY 16 2016

DAS 6 9-89 MAY 13 2016

DAS 28 9-89 MAY 16 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Work Order ID 146236

Friday, May 13, 2016 1:12:41 PM

146236

Page 2

Item ID: D407-559-115

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: 206L Series/407 Bearpaws - Run-on Landing Wearplate Compatible

Start Date: 5/16/2016 Start Qty: 1.00 ***1***

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Required Date: 5/17/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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170 Identify as per dwg & Stock Location: F9015 0.00***170***

Packaging

Memo

Packaging

0.00

DAS
28
9-89

MAY 16 2016

180 QC21- Final Inspection - Work Order Release 0.00

180

QC

Memo

Quality Control

0.00

MLJ MAY 16 2016
dm 16/05/16

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____ Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Friday, May 13, 2016 1:12:48 PM

Page 1

Work Order ID: 146236

146236

Parent Item: D407-559-115

D407-559-115

Parent Item Name: 206L Series/407 Bearpaws - Run-on Landing Wearplate Compatible

Start Date: 5/16/2016

Required Date: 5/17/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 12-07-23 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2274 *D2274* Radius Block		Manufactured	No				Each	418.0000		12			DAS O 27 9-89
									**				
					<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>				
					FG			12					
					86855			12					
					ST006			406					
					144391			406		12			DAS O 27 9-89
D2529 *D2529* Washer		Manufactured	No				Each	305.0000		12			DAS O 27 9-89
									**				
					<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>				
					ST008			305					
					141458			4					
					143819			301					
D2432-3 *D2432-3* 206 (24") Bearpaw		Manufactured	No				Each	5.0000		2			DAS O 27 9-89
									**				
					<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>				
					ST454a			5					
					139891			5		2			
D4011-1 *D4011-1* Clamp, Short		Manufactured	No				Each	153.0000		6			DAS O 27 9-89
									**				
					<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>				
					ST544			153					
					145016			153		6			MAY 14 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause				FAULT CATEGORY					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐				Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
OTHER :									

Picklist Print

Page 2

Friday, May 13, 2016 1:12:48 PM

Work Order ID: 146236

146236

Parent Item: D407-559-115

D407-559-115

Parent Item Name: 206L Series/407 Bearpaws - Run-on Landing Wearplate Compatible

Start Date: 5/16/2016

Required Date: 5/17/2016

Start Qty: 1.00

Required Qty: 1.00

D4012-1 Manufactured No

Each 61.0000 6

D4012-1

Cushion

**

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

FG 5

133458 5

ST545 56

144666 56

Each 161.0000 12

AN4-20A Purchased No

AN4-20A

Bolt

**

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

GA 24

m116419 24

over003 60

m134039 60

ST343 77

m133694 27

m134634 50

Each 3,635.000 12

NAS1149D0463J Purchased No

NAS1149D0463.J

WASHER

**

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

GA 146

M132035 21

M134508 125

ST260a 2600

M134754 2600

ST263 889

M134634 889

MAY 14 2016

Friday, May 13, 2016 1:12:48 PM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Friday, May 13, 2016 1:12:48 PM

Work Order ID: 146236

146236

Parent Item: D407-559-115

D407-559-115

Parent Item Name: 206L Series/407 Bearpaws - Run-on Landing Wearplate Compatible

Start Date: 5/16/2016

Required Date: 5/17/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

Each

1,413.000

12

MS21042L 4

Locknut

DAS

8

DAS

9-89

27

9-89

Location

Loc Qty

Loc Code

GA

187

m133769

187

OVER007

500

m134676

500

ST303

629

m134606

629

ST305

97

m130922

97

DAS
28
9-89

MAY 14 2016

12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
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Root Cause				FAULT CATEGORY					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐				Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
				OTHER :					

10/0 146236
DEM 16/05/13

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D206-559 Rev. L AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D206-559 REV. 3

REF CANADIAN STC: SH92-17
REF FAA STC: SH1031NE
REF LBA STC: 0796/3034
REF JCAB STC: STC-90-TYO
REF BRAZIL STC: 2010S10-08

1.0 PURPOSE

The purpose of this Dart Service Instruction is to add the D407-559-115 Bearpaw Kit to this approval. The D407-559-115 Bearpaw Kit is designed to be compatible with D206-642-311/-312/-313/-314/-411/-412/-413/-414 Skidtubes equipped with D206-642-XXX Run-On Landing Wearplates. The D407-559-115 Bearpaw Kit is also compatible with the D206-642-XXX Skidtubes equipped with standard wearplates/wearshoes.

2.0 INSTALLATION

To install D407-559-115 Bearpaw Kit on Dart D206-642-XXX Skidtubes equipped with D206-642-XXX Run-On Landing Wearplates refer to Figures 1 & 2 of this Service Instruction as well as the following:

- 2.1 Jack up the aircraft and ensure the skidtubes are serviceable in accordance with ICA-D206-642.
- 2.2 Position D2432-3 Bearpaw on the aft end of each skidtube so that the bearpaw clamps are located on either side of the aft saddle as shown in Figure 1a - 1c of this Service Instruction. The bearpaws should be installed over the run-on landing wearplates.
- 2.3 Attach the D4011-1 Clamps with D4012-1 Cushions using hardware shown in Figure 2 of this Service Instruction. Additional AN960JD416 (or NAS1149D0463J) washers may be installed under the nuts to ensure 1.5-4 threads in safety on the bolts. Although not generally necessary, it is also acceptable to replace the AN4-20A bolts with longer or shorter AN4 bolts, if required.

CAUTION: The torque on the nuts should be limited to 20 in-lb (2.3 Nm)

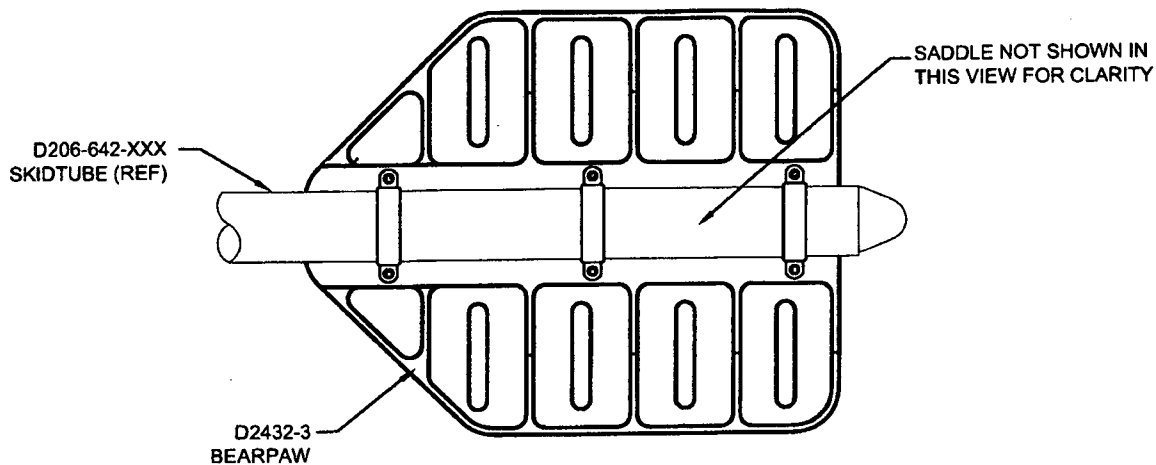
- 2.4 Lower the aircraft.
- 2.5 Update the aircraft log book to indicate installation of the D407-559-115 Bearpaw Kit and adjust the empty weight and balance record for the rotorcraft with the information given in section 5.0 of this service instruction.

3.0 MAINTENANCE

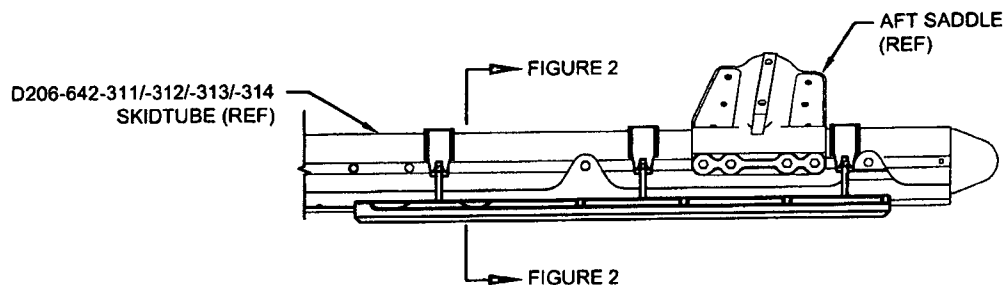
The D407-559-115 Bearpaw Kit should be maintained in accordance with ICA-D206-559.

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED 	
BY:	D. SHEPHERD (DE # 02)
DATE:	12.07.05
CERT. NO.:	SH92-17
ISSUE NO.:	7

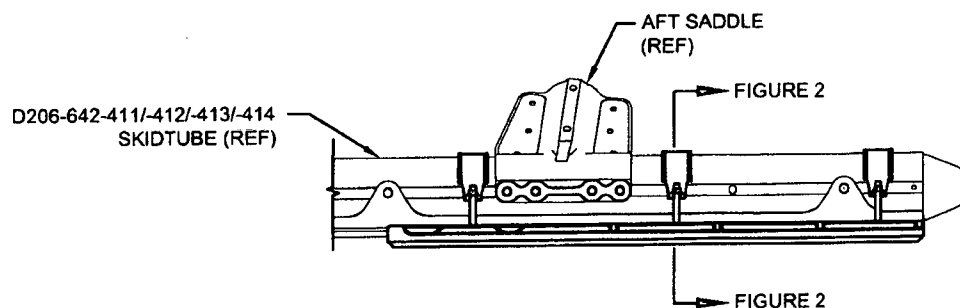
A	NEW ISSUE	AP	12.07.05
REV.	DESCRIPTION	BY	DATE
DESIGN	AP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AP		
CHECKED	97	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9624	SHEET 1 OF 4
APPROVED	149	TITLE	SCALE
DE APPR.	411	BEARPAW INSTALLATION	NTS
DATE	12.07.05	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



**Figure 1a - Bearpaw Location
(Top View)**



**Figure 1b - Bearpaw Installation (Side View)
(Installed on D206-642-311/-312/-313/-314 Skid tubes)**



**Figure 1c - Bearpaw Installation (Side View)
(Installed on D206-642-411/-412/-413/-414 Skid tubes)**

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 12.07.05
CERT. NO.: SH92-17
ISSUE NO.: 7

DESIGN	AP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AP		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9624	SHEET 2 OF 4
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	BEARPAW INSTALLATION	NTS
DATE	12.07.05	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

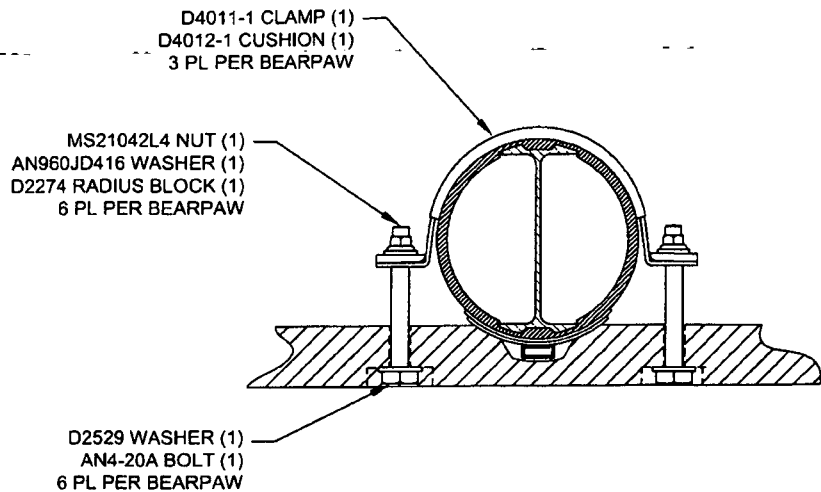


Figure 2 - D4011-1 Clamp Installation

4.0 PARTS LIST

QTY -115	PART NUMBER	DESCRIPTION
	D407-559-115	BEARPAW INSTALLATION
12	D2274	RADIUS BLOCK
12	D2529	WASHER
2	D2432-3	BEARPAW
6	D4011-1	CLAMP
6	D4012-1	CUSHION
12	AN4-20A	BOLT
12	AN960JD416	WASHER (NAS1149D0463J)
12	MS21042L4	NUT

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY:
D. SHEPHERD (DE # 02)

DATE: 12.07.05
CERT. NO.: SH92-17
ISSUE NO.: 7

DESIGN	AP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9624	SHEET 3 OF 4
APPROVED		TITLE	SCALE
DE APPR.		BEARPAW INSTALLATION	NTS
DATE	12.07.05	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

5.0 WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		ARM	MOMENT	ARM	MOMENT
D407-559-115 Bearpaw installation (Bell 407 High Gear)	13.9 lb 6.30 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	148 in 3.76 m	2057 in-lb 23.69 m-kg
D407-559-115 Bearpaw installation (Bell 206L/407 Low Gear)	13.9 lb 6.30 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	149 in 3.78 m	2071 in-lb 23.81 m-kg
D407-559-115 Bearpaw installation (Bell 206 L High Gear)	13.9 lb 6.30 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	157 in 3.99 m	2182 in-lb 25.14 m-kg

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 12.07.05
CERT. NO.: SH92-17
ISSUE NO.: 7

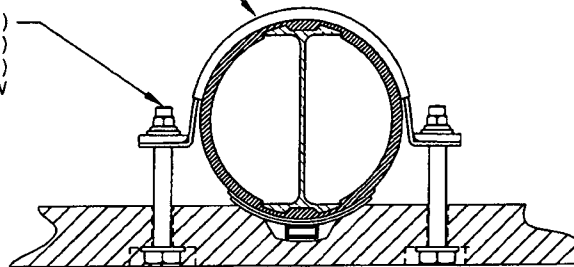
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MFG. APPR.	N/A	DSI 9624	SHEET 4 OF 4
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DE APPR.		BEARPAW INSTALLATION	NTS
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D4011-1 CLAMP (1)
D4012-1 CUSHION (1)
3 PL PER BEARPAW

REFERENCE ONLY

MS21042L4 NUT (1)
AN960JD416 WASHER (1)
D2274 RADIUS BLOCK (1)
6 PL PER BEARPAW

DAS
28
9-89



D2529 WASHER (1)
AN4-20A BOLT (1)
6 PL PER BEARPAW

Figure 2 - D4011-1 Clamp Installation

4.0 PARTS LIST

QTY -115	PART NUMBER	DESCRIPTION
	D407-559-115	BEARPAW INSTALLATION
12	D2274	RADIUS BLOCK
12	D2529	WASHER
2	D2432-3	BEARPAW
6	D4011-1	CLAMP
6	D4012-1	CUSHION
12	AN4-20A	BOLT
12	AN960JD416	WASHER (NAS1149D0463J)
12	MS21042L4	NUT

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 12.07.05
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Change Record

PAGE 1 OF 1

Part Number: D407-559-115Description: BEARPAW INSTALLATION[illegible]